BURNS

The Journal of the International Society for Burn Injuries

1999

Volume 25

(ISSN 0305-4179)

Publishers: Elsevier Science Ltd, Bampfylde St, Exeter, Devon EX1 2AH, UK

Editor: Dr. P. Shakespeare, Laing Laboratory for Burn Injury, Salisbury District Hospital, Salisbury, Wilts SP2 8BJ, UK

Volume 25 Number 1 February 1999

Editorials

1 **Burn patients, then and now**
D. Heimbach

3 **Historical Note**
A. B. Wallace

Scientific and Clinical Papers

7 **The neuroendocrine stress response and modern intensive care: the concept revisited**
G. H. A. Van den Berghe

17 **Antimicrobial resistance**
A. N. Neely and I. A. Holder

25 **Measurements of quality of life: then and now**
A. M. Munster

29 **The effects of human burn injury on urinary nitrate excretion**
M. Abrahams, F. Sjöberg, A. Oscarsson and T. Sundqvist

35 **Improvement of early postburn cardiac function by use of *Panax notoginseng* and immediate total eschar excision in one operation**
Y.-S. Huang, Z.-C. Yang, B.-G. Yan, X.-C. Hu, A. N. Li and R. S. Crowther

43 **Functional analysis of T lymphocytes infiltrating the dermis and epidermis of post-burn hypertrophic scar tissues**
P. Bernabei, L. Rigamonti, S. Ariotti, M. Stella, C. Castagnoli and F. Novelli

49 **On burn injuries related to airbag deployment**
A. M. Baruchin, I. Jakim, L. Rosenberg and O. Nahlieli

53 **Firework related injury and legislation: the epidemiology of firework injuries and the effect of legislation in Northern Ireland**
B. J. Fogarty and D. J. Gordon

Burn Care in Practice

57 **Reflecting on 35 years at the Glasgow burns unit**
W. H. Reid

62 **The changing face of burn care: The Adelaide Children's Hospital Burn Unit: 1960–1996**
R. B. Davey

Case Reports

69 **Child burn: accident, neglect or abuse. A case report**
D. F. Leonardi, J. W. Vedovato, P. M. Werlang and O. M. Torres

72 **Symptomatic tracheal stenosis in burns**
J.-Y. Yang, W.-G. Yang, L.-Y. Chang and S.-S. Chuang

81 **Development of a colocutaneous fistula in a patient with a large surface area burn**
M. R. Matthews, D. M. Caruso, M. F. Al-Kasspooles, B. J. Phillips and W. R. Schiller

86 **Duodenal perforation as a complication of routine endoscopic nasoenteral feeding tube placement**
T.-D. Chou, S.-T. Ue, C.-H. Lee, T.-W. Lee, T.-M. Chen and H.-J. Wang

88 **Treatment of a neck burn contracture with a super-thin occipito-cervico-dorsal flap: a case report**
I. Kuran, T. Turan, B. Sadıkoglu and H. Özcan

93 **Recent References**

I **Contents of the Journal of Burn Care & Rehabilitation**

Volume 25 Number 2 March 1999

Scientific and Clinical Papers

97 **Skin substitutes in burns**
R. L. Sheridan and R. G. Tompkins

105 **Modulating the functions of neutrophils and lipid peroxidation by FK506 in a rat model of thermal injury**
O. Cetinkale, D. Konukoğlu, O. Şenel, G. D. Kemerli and S. Yazar

113 **The effect of antioxidant therapy on cell-mediated immunity following burn injury in an animal model**
O. Cetinkale, O. Senel and R. Bulan

119 **Expression of midkine in normal and burn sites of rat skin**
N. Iwashita, H. Muramatsu, K. Toriyama, S. Torii and T. Muramatsu

125 **Inhibitory effects of tachykinin receptor antagonists on thermally induced inflammatory reactions in a rat model**
O. Löfgren, Y. Qi and T. Lundeberg

131 **Changes in circulating levels of interleukin 6 in burned patients**
F. L. Yeh, W. L. Lin, H. D. Shen and R. H. Fang

137 **The effect of burn Subeschar tissue fluid on skeletal muscle and hepatic amino acid uptake in an experimental system in vitro**
Y.-W. Tang

145 **Correlation between fungi isolated from burn wounds and burn care units**
H. A.-L. Mousa, S. M. Al-Bader and D. A. Hassan

149 **Paediatric burns in Iceland. Hospital admissions 1982–1995, a populations based study**
R. Elísdóttir, P. Lúdvígsson, Ó. Einarsson, S. Thorgrímsson and Á. Haraldsson

152 **Care of burns victims in Europe**
V. Wedler, W. Künzi, U. Bürgi and V. E. Meyer

158 **Patients with suicidal burns and accidental burns: a comparative study of socio-demographic profile in India**
S. A. Wagle, A. C. Wagle and J. S. Apte

162 **Prestorage leukocyte filtration may reduce leukocyte-derived bioactive substance accumulation in patients operated for burn trauma**
H. J. Nielsen, J. H. Hammer, A. L. Krarup, L. M. Nielsen, C. M. Reimert, A. N. Pedersen, E. Dybkjær, S. Partoft and B. Alsbjørn

171 **Acute renal failure in severely burned patients**
C. Holm, F. Hörbrand, G. Henckel von Donnersmarck and W. Mühlbauer

179 **Cost effectiveness of skin substitutes**
P. G. Shakespeare

Case Report

182 **Scalp burns in elderly women—the perils of the perm**
D. I. Wilson

184 **Letters to the Editor**

188 **Recent References**

192 **Corrigendum**

192 **Erratum**

I **Contents of the Journal of Burn Care & Rehabilitation**

Volume 25 Number 3 May 1999

Scientific and Clinical Papers

193 **The Laing Essay 1998: Ethical issues in burn care**
A. E. R. Young

207 **Computerised colour: a technique for the assessment of burn scar hypertrophy. A preliminary report**
R. B. Davey, R. T. Sprod and T. O. Neild

215 **Comparison of the anabolic effects and complications of human growth hormone and the testosterone analog, oxandrolone, after severe burn injury**
R. H. Demling

223 **The effect of the anti-allergic agent avil on abnormal scar fibroblasts**
J. Venugopal, M. Ramakrishnan, C. M. Habibullah and M. Babu

229 **Controlled partial skin thickness burns: an animal model for studies of burnwound progression**
J. S. Knabl, G. S. Bayer, W. A. Bauer, I. Schwendenwein, P. F. Dado, C. Kucher, R. Horvat, E. Turkof, B. Schossmann and G. Meissl

237 **The efficacy of 5% Sulfamylon® solution for the treatment of contaminated explanted human meshed skin grafts**
S. P. Maggi, P. M. Soler, P. D. Smith, D. P. Hill, F. Ko and M. C. Robson

242 **Beta-haemolytic *Streptococcus* infection in burns**
R. L. Bang, R. K. Gang, S. C. Sanyal, E. M. Mokaddas and A. R. A. Lari

Burn Care in Practice

247 **Then and now: ANZBA. Past, present, future: some personal recollections and observations on the Association and the development of burn care in Australia**
E. J. Keogh

250 **Development in the treatment of burns in South America during the last decades**
F. Benaim and R. Artigas Nambrard

256 **Management of partial thickness facial burns (comparison of topical antibiotics and bio-engineered skin substitutes)**
R. H. Demling and L. DeSanti

262 **Evolution of the Emergency Management of Severe Burns (EMSB) course in the UK**
C. A. Stone and S. A. Pape

Case Reports

265 **Helium vapour injury: a case report**
P. Kumar and P. T. Chirayil

269 **Night attire burns in young girls—the return of an old adversary**
D. I. Wilson and F. B. Bailie

272 **Characteristics of bath-related burns in Japan**
K. Fukunishi, J. Maruyama, H. Takahashi, H. Kitagishi, T. Uejima, K. Maruyama and I. Sakata

277 **Letter to the Editor**

280 **Recent References**

Volume 25 Number 4 June 1999

Scientific and Clinical Papers

283 **The effect of indomethacin on the cytokine cascade and body temperature following burn injury in rats**
F. T. Caldwell Jr., D. B. Graves and B. H. Wallace

295 **Vagotomy modifies but does not eliminate the increase in body temperature following burn injury in rats**
F. T. Caldwell Jr., D. B. Graves and B. H. Wallace

307 **Ethical issues in burn care**
I. Grant

317 **Mortality according to age and burned body surface in the Virgen del Rocio University Hospital**
T. Gómez-Cía, J. Mallén, T. Márquez, C. Portela and I. Lopez

325 **Epidemiology and mortality of adult burns in Catalonia**
J. P. Barret, P. Gomez, I. Solano, M. Gonzalez-Dorrego and F. J. Crisol

331 **Cultured autologous keratinocytes on a cell-free dermis in the treatment of full-thickness wounds**
C.-J. Gustafson and G. Kratz

337 **Suicide by burns: a tragic end**
A. R. Mabrouk, A. N. Mahmod Omar, K. Massoud, M. Magdy Sherif and N. El Sayed

341 **Explosive burns during abusive inhalation of butane gas**
S.-J. Oh, S.-E. Lee, J.-S. Burm, C.-H. Chung, J.-W. Lee, Y.-C. Chang and D.-C. Kim

345 **Accuracy of burn size estimation and subsequent fluid resuscitation prior to arrival at the Yorkshire Regional Burns Unit. A three year retrospective study**
N. Collis, G. Smith and O. M. Fenton

353 **A 15-year experience with varicella infections in a pediatric burn unit**
R. L. Sheridan, J. M. Weber, M. M. Pasternak, J. M. Mulligan and R. G. Tompkins

Burn Care in Practice

357 **Electric burns: high- and low-tension injuries**
V. García-Sánchez and P. Gomez Morell

Case Reports

361 **Complete fusion of the vocal cords; an unusual case**
T. D. D. Cobley, W. J. Hart, D. L. Baldwin and D. A. R. Burd

364 **Neutral phosphate-induced renal tubular metabolic alkalosis**
S. Abdullah, R. Saran, M. Kabbani, K. D. Nolph and B. E. Terry

366 **Letters to the Editor**

368 **Recent References**

372 **Calendar**

I **Contents of the Journal of Burn Care & Rehabilitation**

A1 **ISBI Newsletter**

Volume 25 Number 5 August 1999

Scientific and Clinical Papers

373 **Use of a collagen/elastin-membrane for the tissue engineering of dermis**
B. Hafemann, S. Ensslen, C. Erdmann, R. Niedballa, A. Zühlke, K. Ghofrani and C. J. Kirkpatrick

385 **A study of the postburned restored skin**
D. do A. Carvalho, U. Mariani, D. de S. Gomez, R. Gemperli and M. C. Ferreira

395 **Assessment of certain neutrophil receptors, opsonophagocytosis and soluble intercellular adhesion molecule-1 (ICAM-1) following thermal injury**
S. El-Din Samy Ahmed, A. Salah El-Shahat and S. Osama Saad

403 **Neutrophil chemokine production in the skin following scald injury**
D. E. Faunce, J. N. Llanas, P. J. Patel, M. S. Gregory, L. A. Duffner and E. J. Kovacs

411 **Reduced antimicrobial peptide expression in human burn wounds**
S. M. Milner and M. R. Ortega

415 **Efficacy of locally delivered polyclonal immunoglobulin against *Pseudomonas aeruginosa* infection in a murine burn wound model**
A. G. Felts, G. Giridhar, D. W. Grainger and J. B. Slunt

425 **Prophylactic treatment with growth hormone and insulin-like growth factor I improve systemic bacterial clearance and survival in a murine model of burn-induced gut-derived sepsis**
R. Fukushima, H. Saito, T. Inoue, K. Fukatsu, T. Inaba, I. Han, S. Furukawa, M.-T. Lin and T. Muto

Burn Care in Practice

431 **Building a balanced scorecard for a burn center**
T. L. Wachtel, C. E. Hartford and J. A. Hughes

439 **Treatment issues in the care of patients with toxic epidermal necrolysis**
E. C. Smoot III

443 **Images of God used by self-injurious burn patients**
D. H. Grossoehme and L. S. Springer

449 **Spinal cord injury after electrical trauma treated in a burn unit**
J. M. Arévalo, J. A. Lorente and J. Balseiro-Gómez

453 **Sideways meshing of split-thickness skin grafts—a useful technique**
S. J. McCulley

Case Reports

455 **Burn scar sarcoma**
İ. Özyazgan and O. Kontaş

459 **Dural reconstruction of a class IV calvarial burn with decellularized human dermis**
J. P. Barret, P. Dziewulski, R. L. McCauley, D. N. Herndon and M. H. Desai

463 **A rare form of burn injury sustained during defaecation**
O. Nahlieli, A. M. Baruchin, E. Eliav and L. Rosenberg

465 **Central palatal burns associated with the eating of microwaved pizzas**
O. Nahlieli, E. Eliav, Y. Shapira and A. M. Baruchin

467 **Letter to the Editor**

469 **Recent References**

I **Contents of the Journal of Burn Care & Rehabilitation**

Volume 25 Number 6 September 1999

Scientific and Clinical Papers

473 **Toxic shock syndrome toxin-1 (TSST-1) antibody levels in burned children**
C. Childs, V. Edwards Jones, M. Dawson and P. J. Davenport

477 **The effect of severe burn injury on proinflammatory cytokines and leukocyte behavior: its modulation with granulocyte colony-stimulating factor**
F. W. Peter, D. A. Schuschke, J. H. Barker, B. Fleishcher-Peter, S. Pierangeli, P. M. Vogt and H. U. Steinau

487 **Dynamic profiles of interleukin-6 and the soluble form of CD25 in burned patients**
F. J. Peteiro-Cartelle and A. Alvarez-Jorge

493 **The abbreviated burn specific pain anxiety scale: a multicenter study**
L. A. Taal, A. W. Faber, N. E. E. van Loey, C. L. L. Reynders and H. W. C. Hofland

499 **A prospective study on the epidemiology of burns in patients admitted to the Harare burn units**
S. Mzezewa, K. Jonsson, M. Aberg and L. Salemark

Burn Care in Practice

505 **Topical nystatin powder in severe burns: a new treatment for angioinvasive fungal infections refractory to other topical and systemic agents**
J. P. Barret, P. I. Ramzy, J. P. Heggers, C. Villareal, D. N. Herndon and M. H. Desai

509 **Effect of topical and subcutaneous epinephrine in combination with topical thrombin in blood loss during immediate near-total burn wound excision in pediatric burned patients**
J. P. Barret, P. Dziewulski, S. E. Wolf, M. H. Desai, R. J. Nichols II and D. N. Herndon

Case Reports

515 **Bacterial endocarditis following a minor burn injury. Case report and review**
P. Paterson and K. W. Dunn

519 **Successful treatment of a patient with 100% total burn surface area at high altitude**
F-S. Wang and L-J. Nie

523 **Conservative management of acute pseudo-obstruction in a major burn**
C. M. Estela and D. A. R. Burd

527 **Colonic perforation following prolonged hypovolaemia in a major burns injury**
A. M. Fitzgerald, M. J. Fried, D. N. Anderson and J. C. McGregor

531 **Severe gastrointestinal bleeding resulting in total gastrectomy in a patient with major burns—a case report**
S. Nathan, E. S. W. Ang, K. H. Chia, M. H. S. Huang and S. T. Lee

537 **Kite-flying: a unique but dangerous mode of electrical injury in children**
V. K. Tiwari and D. Sharma

541 **A histological analysis of a high voltage electric current injury to an upper limb**
R. DeBono

549 **Methemoglobinemia secondary to topical silver nitrate therapy—a case report**
T.-D. Chou, N. S. Gibran, K. Urdahl, E. Y. Lin, D. M. Heimbach and L. H. Engrav

553 **Orbicularis oculi myocutaneous flap in reconstruction of postburn lower eyelid ectropion**
N. Kostakoğlu and G. Özcan

559 **Perianal and gluteal burns as a complication of hot water bottle treatment for anal fissure**
O. Lapid and S. Walfisch

561 **Letter to the Editor**

562 **Recent References**

I **Calendar**

Volume 25 Number 7 November 1999

Editorial

565 **The UK albumin debate**
R. P. Cole

Scientific and Clinical Papers

569 **High dose vitamin C counteracts the negative interstitial fluid hydrostatic pressure and early edema generation in thermally injured rats**
H. Tanaka, T. Lund, H. Wiig, R. K. Reed, T. Yukioka, H. Matsuda and S. Shimazaki

575 **A survey of psychological need amongst adult burn-injured patients**
L. Kleve and E. Robinson

581 **Disfiguring burn scars and adolescent self-esteem**
R. Robert, W. Meyer, S. Bishop, L. Rosenberg, L. Murphy and P. Blakeney

587 **Post-traumatic stress symptoms and distress following acute burn injury**
D. M. Ehde, D. R. Patterson, S. A. Wiechman and L. G. Wilson

593 **Quality of life of the Spanish burn patient**
J. F. Salvador-Sanz, J. Sanchez-Payá and J. Rodriguez-Marín

599 **Then and now: 25 years at the Ljubljana Burns Unit Skin Bank**
T. F. Janežič

603 **Then and now: Studies using a burned mouse model reflect trends in burn research over the past 25 years**
A. N. Neely, I. A. Holder and G. D. Warden

611 ***Pseudomonas aeruginosa* septicaemia in burns**
R. K. Gang, R. L. Bang, S. C. Sanyal, E. Mokaddas and A. R. Lari

617 **Digital imaging in remote diagnosis of burns**
L. Roa, T. Gómez-Cía, B. Acha and C. Serrano

625 **Effectiveness of human amnion preserved long-term in glycerol as a temporary biological dressing**
T. Maral, H. Borman, H. Arslan, B. Demirhan, G. Akinbingol and M. Haberal

Burn Care in Practice

636 **The treatment of paediatric burns using topical papaya**
I. F. Starley, P. Mohammed, G. Schneider and S. W. Bickler

640 **Rifampicin as an adjunct to vancomycin therapy in MRSA septicaemia in burns**
R. K. Gang, S. C. Sanyal, E. Mokaddas and A. R. Lari

645 **The use of diverting colostomies in paediatric peri-anal burns**
C. J. Quarmby, A. J. W. Millar and H. Rode

651 **Blood crossmatching for burn surgery: potential for reduced wastage using a modified Dye formula**
P. J. Drew, J. Ciampolini and W. A. Dickson

655 **Cross infection on a combined paediatric plastic surgery and burns unit: A clinical and microbiological audit**
I. G. Camilleri, S. J. Pedler, O. Murphy and C. A. Reid

Case Reports

659 **Toxic shock syndrome in adult burns**
S. J. Withey, N. Carver, J. D. Frame and C. C. Walker

663 **Cryptorchidism as a result of burn injury**
I. G. Kara and A. Sarıoğlu

666 **Burn due to misuse of an acetylene gas burner: a case report**
K. Shimada, Y. Aoki, Y. Ide, N. Ishikura and S. Kawakami

669 **Accidental contact burns of the upper limb in children with obstetric brachial plexus injury**
M. M. Al-Qattan

673 **Airway obstruction by *Ascaris*, roundworm in a burned child**
O. Lapid, Y. Krieger, T. Bernstein, S. Sofer and L. Rsenberg

676 **Letters to the Editor**

679 **Recent References**

I **Contents of the Journal of Burn Care & Rehabilitation**

Volume 25 Number 8 December 1999

Editorial

683 **The development of the International Society for Burn Injuries and progress in burn care: the whole is greater than the sum of its parts**
B. A. Pruitt Jr.

Scientific and Clinical Papers

697 **Reflection-optical multispectral imaging method for objective determination of burn depth**
W. Eisenbeiß, J. Marotz and J.-P. Schrade

705 **Nuclear matrix protein levels in burn patients with multiple organ dysfunction syndrome**
Y. Yamada, S. Endo, H. Nakae, Y. Kamei, S. Taniguchi, H. Ishikura, T. Tanaka, K. Taki and K. Inada

709 **The prognostic factors regarding long-term functional outcome of full-thickness hand burns**
P. P. M. van Zuijlen, R. W. Kreis, A. F. P. M. Vloemans, F. Groenevelt and D. P. Mackie

715 **Progression of burn wound depth by systemical application of a vasoconstrictor: an experimental study with a new rabbit model**
J. S. Knabl, W. Bauer, H. Andel, I. Schwendenwein, P. F. Dado, M. Mittlböck, W. Römer, M. S. S. Choi, R. Horvat, G. Meissl and M. Frey

723 ***Salmonella senftenberg*: a new pathogen in the burns ward**
D. Nair, N. Gupta, S. Kabra, R. B. Ahuja and S. Krishna Prakash

729 **Early tangential excision and skin grafting of moderate burns is superior to honey dressing: a prospective randomised trial**
M. Subrahmanyam

Burn Care in Practice

733 **Then and now: treatment volume, wound coverage, lung injury, and antibiotics: a capsule history of burn treatment at mid-century**
F. D. Moore

739 **Then and now: reflections on burn care past, present and future: towards a new paradigm of language and care**
J. Partridge

745 **Staged high-dose epinephrine clysis is safe and effective in extensive tangential burn excisions in children**
R. L. Sheridan and S. K. Szyfelbein

749 **Laboratory heparin resistance in burn injury complicated by venous thrombosis**
R. J. Ellis, M. T. Cunningham and J. D. Cook

753 **The axillary vein central venous catheter in severely burned patients**
H. Andel, M. Rab, M. Felfernig, D. Andel, R. Koller, L-P. Kamolz and M. Zimpfer

757 **The experience in the treatment of patients with extensive full-thickness burns**
H. Tang, Z. Xia, S. Liu, Y. Chen and S. Ge

760 **Clinical experience in treatment of peri-anal scar contracture in children**
E.-m. Ye

762 **The Burns Association of India**
M. H. Keswani

Case Reports

764 **Malignant fibrous histiocytoma developing in a burn scar**
K. Uğurlu, G. Turgut, F. Kabukçuoğlu, H. Özcan, Z. Sanus and L. Baş

768 **Drug induced blistering and the plastic surgeon: a case of amitriptyline induced skin necrosis**
B. J. Fogarty and K. Khan

771 **Cultured composite autografts as coverage for an extensive body surface area burn: case report and review of the technology**
D. M. Caruso, W. H. Schuh, M. F. Al-Kasspooles, M. C. Chen and W. R. Schiller

I **Contents of the Journal of Burn Care & Rehabilitation**

V **Index for Volume 25**

A1 **ISBI Newsletter**

AUTHOR INDEX

Abdullah S., 364
Aberg M., 499
Abrahams M., 29
Acha B., 617
Ahuja R. B., 723
Akinbingol G., 625
Al-Bader S. M., 145
Al-Kasspooles M. F., 81, 771
Al-Qattan M. M., 669
Alsbjørn B., 162
Alvarez-Jorge A., 487
Andel D., 753
Andel H., 715, 753
Anderson D. N., 527
Ang E. S. W., 531
Aoki Y., 666
Apte J. S., 158
Arévalo J. M., 449
Ariotti S., 43
Arslan H., 625
Artigas Nambrard R., 250

Babu M., 223
Bailie F. B., 269
Baldwin D. L., 361
Balseiro-Gómez J., 449
Bang R. L., 242, 611
Barker J. H., 477
Barret J. P., 325, 459, 505, 509
Baruchin A. M., 49, 463, 465
Baş L., 764
Bauer W., 715
Bauer W. A., 229
Bayer G. S., 229
Benaim F., 250
Bernabei P., 43
Bernstein T., 673
Bickler S. W., 636
Bishop S., 581
Blakeney P., 581
Borman H., 625
Bulan R., 113
Burd D. A. R., 361, 523
Bürgi U., 152
Burm J.-S., 341

Caldwell Jr. F. T., 283, 295
Camilleri I. G., 655
Caruso D. M., 81, 771
Carvalho D. do A., 385
Carver N., 659
Castagnoli C., 43
Cetinkale O., 105, 113
Chang L.-Y., 72
Chang Y.-C., 341
Chen M. C., 771
Chen T.-M., 86
Chen Y., 757
Chia K. H., 531
Childs C., 473
Chirayil P. T., 265
Choi M. S. S., 715
Chou T.-D., 86, 549
Chuang S.-S., 72
Chung C.-H., 341
Ciampolini J., 651
Cobley T. D. D., 361
Cole R. P., 565
Collis N., 345
Cook J. D., 749
Crisol F. J., 325
Crowther R. S., 35
Cunningham M. T., 749

Dado P. F., 229, 715
Davenport P. J., 473
Davey R. B., 62, 207
Dawson M., 473
DeBono R., 541
Demirhan B., 625
Demling R. H., 215, 256
Desai M. H., 459, 505, 509
DeSanti L., 256
Dickson W. A., 651
Drew P. J., 651
Duner L. A., 403
Dunn K. W., 515
Dybkjær E., 162
Dziewulski P., 459, 509

Edwards Jones V., 473
Ehde D. M., 587
Einarsson Ó., 149
Eisenbeiß W., 697
El Sayed N., 337
El-Din Samy Ahmed S., 395
Eliav E., 463, 465
Ellis R. J., 749
Elísdóttir R., 149
Endo S., 705
Engrav L. H., 549
Ensslen S., 373
Erdmann C., 373
Estela C. M., 523

Faber A. W., 493
Fang R. H., 131
Faunce D. E., 403
Felfernig M., 753
Felts A. G., 415
Fenton O. M., 345
Ferreira M. C., 385
Fitzgerald A. M., 527
Fleishcher-Peter B., 477
Fogarty B. J., 53, 768
Frame J. D., 659
Frey M., 715
Fried M. J., 527
Fukatsu K., 425
Fukunishi K., 272
Fukushima R., 425
Furukawa S., 425

Gang R. K., 242, 611, 640
García-Sánchez V., 357
Ge S., 757
Gemperli R., 385
Ghofrani K., 373
Gibran N. S., 549
Giridhar G., 415
Gomez D. de S., 385
Gomez P., 325
Gomez Morell P., 357
Gómez-Cía T., 317, 617
Gonzalez-Dorrego M., 325
Gordon D. J., 53
Grainger D. W., 415
Grant I., 307
Graves D. B., 283, 295
Gregory M. S., 403
Groenevelt F., 709
Grossoehme D. H., 443
Gupta N., 723
Gustafson C.-J., 331

Haberal M., 625
Habibullah C. M., 223
Hafemann B., 373
Hammer J. H., 162
Han I., 425
Haraldsson Á., 149
Hart W. J., 361
Hartford C. E., 431
Hassan D. A., 145
Heggers J. P., 505
Heimbach D., 1
Heimbach D. M., 549
Henckel von Donnersmarck G., 171
Herndon D. N., 459, 505, 509
Hill D. P., 237
Hofland H. W. C., 493
Holder I. A., 17, 603
Holm C., 171
Hörbrand F., 171
Horvat R., 229, 715
Hu X.-C., 35
Huang M. H. S., 531
Huang Y.-S., 35
Hughes J. A., 431

Ide Y., 666
Inaba T., 425
Inada K., 705
Inoue T., 425
Ishikura H., 705
Ishikura N., 666
Iwashita N., 119

Jakim I., 49
Janežič T. F., 599
Jonsson K., 499

Kabbani M., 364
Kabra S., 723
Kabukçuoğlu F., 764
Kamei Y., 705
Kamolz L.-P., 753
Kara I. G., 663
Kawakami S., 666
Kemerli G. D., 105
Keogh E. J., 247
Keswani M. H., 762
Khan K., 768
Kim D.-C., 341
Kirkpatrick C. J., 373
Kitagishi H., 272
Kleve L., 575
Knabl J. S., 229, 715
Ko F., 237
Koller R., 753
Kontaş O., 455

PII: S0305-4179(99)00164-3

Konukoğlu D., 105
Kostakoğlu N., 553
Kovacs E. J., 403
Krarup A. L., 162
Kratz G., 331
Kreis R. W., 709
Krieger Y., 673
Krishna Prakash S., 723
Kucher C., 229
Kumar P., 265
Künzi W., 152
Kuran I., 88

Lapid O., 559, 673
Lari A. R., 611, 640
Lari A. R. A., 242
Lee C.-H., 86
Lee J.-W., 341
Lee S. T., 531
Lee S.-E., 341
Lee T.-W., 86
Leonardi D. F., 69
Li A. N., 35
Lin E. Y., 549
Lin M.-T., 425
Lin W. L., 131
Liu S., 757
Llanas J. N., 403
van Loey N. E. E., 493
Löfgren O., 125
Lopez I., 317
Lorente J. A., 449
Lúdvígsson P., 149
Lund T., 569
Lundeberg T., 125

Mabrouk A. R., 337
Mackie D. P., 709
Magdy Sherif M., 337
Maggi S. P., 237
Mahmod Omar A. N., 337
Mallén J., 317
Maral T., 625
Mariani U., 385
Marotz J., 697
Márquez T., 317
Maruyama J., 272
Maruyama K., 272
Massoud K., 337
Matsuda H., 569
Matthews M. R., 81
McCauley R. L., 459
McCulley S. J., 453
McGregor J. C., 527
Meissl G., 229, 715
Meyer V. E., 152
Meyer W., 581
Millar A. J. W., 645
Milner S. M., 411
Mittlböck M., 715
Mohammed P., 636
Mokaddas E., 611, 640
Mokaddas E. M., 242
Moore F. D., 733
Mousa H. A.-L., 145
Mühlbauer W., 171
Mulligan J. M., 353
Munster A. M., 25
Muramatsu H., 119
Muramatsu T., 119
Murphy L., 581
Murphy O., 655
Muto T., 425
Mzezewa S., 499

Nahlieli O., 49, 463, 465
Nair D., 723
Nakae H., 705
Nathan S., 531
Neely A. N., 17, 603
Neild T. O., 207
Nichols II R. J., 509
Nie L.-J., 519
Niedballa R., 373
Nielsen H. J., 162
Nielsen L. M., 162
Nolph K. D., 364
Novelli F., 43

Oh S.-J., 341
Ortega M. R., 411
Osama Saad S., 395
Oscarsson A., 29
Özcan G., 553
Özcan H., 88, 764
Özyazgan İ., 455

Pape S. A., 262
Partoft S., 162
Partridge J., 739
Pasternak M. M., 353
Patel P. J., 403
Paterson P., 515
Patterson D. R., 587
Pedersen A. N., 162
Pedler S. J., 655
Peteiro-Cartelle F. J., 487
Peter F. W., 477
Phillips B. J., 81
Pierangeli S., 477
Portela C., 317
Pruitt Jr. B. A., 683

Qi Y., 125
Quarmby C. J., 645

Rab M., 753
Ramakrishnan M., 223
Ramzy P. I., 505
Reed R. K., 569
Reid C. A., 655
Reid W. H., 57
Reimert C. M., 162
Reynders C. L. L., 493
Rigamonti L., 43
Roa L., 617
Robert R., 581
Robinson E., 575
Robson M. C., 237
Rode H., 645
Rodriguez-Marín J., 593
Römer W., 715
Rosenberg L., 49, 463, 581
Rsenberg L., 673

Sadıkoglu B., 88
Saito H., 425
Sakata I., 272
Salah El-Shahat A., 395
Salemark L., 499
Salvador-Sanz J. F., 593
Sanchez-Payá J., 593
Sanus Z., 764
Sanyal S. C., 242, 611, 640
Sarıoğlu A., 663
Saran R., 364
Schiller W. R., 81, 771
Schneider G., 636
Schossmann B., 229
Schrade J.-P., 697
Schuh W. H., 771

Schuschke D. A., 477
Schwendenwein I., 229, 715
Şenel O., 105
Senel O., 113
Serrano C., 617
Shakespeare P. G., 179
Shapira Y., 465
Sharma D., 537
Shen H. D., 131
Sheridan R. L., 97, 353, 745
Shimada K., 666
Shimazaki S., 569
Sjöberg F., 29
Slunt J. B., 415
Smith G., 345
Smith P. D., 237
Smoot III E. C., 439
Sofer S., 673
Solano I., 325
Soler P. M., 237
Springer L. S., 443
Sprod R. T., 207
Starley I. F., 636
Steinau H. U., 477
Stella M., 43
Stone C. A., 262
Subrahmanyam M., 729
Sundqvist T., 29
Szyfelbein S. K., 745

Taal L. A., 493
Takahashi H., 272
Taki K., 705
Tanaka H., 569
Tanaka T., 705
Tang H., 757
Tang Y.-W., 137
Taniguchi S., 705
Terry B. E., 364
Thorgrímsson S., 149
Tiwari V. K., 537
Tompkins R. G., 97, 353
Torii S., 119
Toriyama K., 119
Torres O. M., 69
Turan T., 88
Turgut G., 764
Turkof E., 229

Ue S.-T., 86
Uejima T., 272
Uğurlu K., 764
Urdahl K., 549

Van den Berghe G. H. A., 7
Vedovato J. W., 69
Venugopal J., 223
Villareal C., 505
Vloemans A. F. P. M., 709
Vogt P. M., 477

Wachtel T. L., 431
Wagle A. C., 158
Wagle S. A., 158
Walfisch S., 559
Walker C. C., 659
Wallace A. B., 3
Wallace B. H., 283, 295
Wang F.-S., 519
Wang H.-J., 86
Warden G. D., 603
Weber J. M., 353
Wedler V., 152
Werlang P. M., 69
Wiechman S. A., 587
Wiig H., 569

Wilson D. I., 182, 269
Wilson L. G., 587
Withey S. J., 659
Wolf S. E., 509

Xia Z., 757

Yamada Y., 705
Yan B.-G., 35
Yang J.-Y., 72
Yang W.-G., 72
Yang Z.-C., 35
Yazar S., 105
Ye E.-m., 760
Yeh F. L., 131
Young A. E. R., 193
Yukioka T., 569

Zimpfer M., 753
Zühlke A., 373
van Zuijlen P. P. M., 709